

### Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

Claims 1-20 (Canceled).

Claim 21 (Previously Presented): A method for the production of a multi-layer concrete pipe, comprising the following steps:

producing an outer layer by filling a mold mantle which stands essentially vertically, with a first concrete mixture by means of a first charging system and compacting said first concrete mixture in the mold mantle;

producing at least one inner layer by filling said outer layer within said mold mantle, which stands essentially vertically, with a second concrete mixture, which is an acid-resistant concrete mixture different from said first concrete mixture, by means of a second charging system;

compacting the inner concrete layer with compacting rollers that act essentially radially and with a smoothing tool; and

removing the concrete pipe formed from the first and second

concrete mixtures from the mold;

wherein said at least one inner layer is applied directly to said outer layer before said outer layer is cured.

Claim 22 (Previously Presented): The method according to claim 21, wherein said mold mantle stands on a turntable and is pivoted into a first stand prior to producing said outer layer.

Claim 23 (Previously Presented): The method according to claim 21, wherein said outer layer is compacted with a first compacting tool, and the inner layer is compacted with a second compacting tool that has a smaller diameter than a diameter of the first compacting tool, and wherein the first and second compacting tools distribute the concrete mixtures in said mold mantle and said outer layer, respectively.

Claim 24 (Previously Presented): The method according to claim 21, wherein said concrete pipe formed from the first and second concrete mixtures is removed from said mold immediately after the compacting process and before the pipe is cured.

Claim 25 (Previously Presented): The method according to claim 23, wherein before the second concrete mixture is filled

into the mold mantle and distributed and compacted in said mold mantle, the first compacting tool is exchanged for the second compacting tool, by way of a quick-change device in the first stand, and wherein after the second concrete mixture has been filled into the mold mantle and distributed and compacted, the second compacting tool is exchanged for the first compacting tool, by way of a quick-change device in the first stand.

Claim 26 (Previously Presented): The method according to claim 23, wherein the first concrete mixture from the first charging system is filled into the mold mantle above the first compacting tool, while at essentially the same time, the second concrete mixture is supplied from the second charging system, above the second compacting tool, through a shaft on which the compacting tools are mounted.

Claim 27 (Previously Presented): The method according to claim 21, wherein the inner and outer layers are compacted with a single compacting tool having a radially adjustable compacting tool, and wherein before the second concrete mixture is filled into the mold mantle and distributed and compacted in said mold mantle, an outside diameter of the compacting tool is reversibly reduced.

Claim 28 (Previously Presented): The method according to claim 22, wherein before the second concrete mixture is filled into the mold mantle and distributed and compacted in said mold mantle, the mold mantle on the turntable is pivoted out of the first stand and pivoted, standing essentially vertically, into a second stand.

Claim 29 (Previously Presented): The method according to claim 22, wherein before the second concrete mixture is filled into the mold mantle and distributed and compacted in it, the mold mantle on the turntable is transported from the first stand, essentially standing vertically, to a second stand, and is introduced on another turntable, into the second stand.